

## OTTER and SHRIMP TRAWL SAMPLING PRIORITIES

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- **Every haul** should be observed, *i.e.* complete catch information for both kept and discarded species is recorded.
- Collection of length frequencies and age structures should occur **at least** after every other observed haul.
- If catches are light and time permits, the observer should sample every haul.
- Otter trawl fishery: obtain actual weights for as many species as possible.
- Shrimp trawl fishery: obtain actual weights for all discarded species.

If it is not possible to biologically sample a particular haul according to protocol, the reason(s) should be noted in the comments section of the corresponding [Haul Log](#).

**Table 1b.** Length frequency and age structure sampling priorities in the otter trawl fishery.

Species	Length Frequencies		Age Structures		Species	Length Frequencies		Age Structures	
	Kept	Discard	Kept	Discard		Kept	Discard	Kept	Discard
<b>Gulf of Maine (Statistical areas 511-515)</b>					<b>George's Bank (Statistical areas 522, 525, 526, 561, 562)</b>				
Bluefish	3	3	3	3	Bluefish	3	3	3	3
Cod, Atlantic	1	1	1	1	Butterfish	3	3	3	3
Cusk	2	2	1	1	Cod, Atlantic	1	1	1	1
Dogfish, Spiny	2	2	-	-	Cusk	2	2	1	1
Flounder, Am. Plaice	1	1	1	1	Dogfish, Spiny	2	2	-	-
Flounder, Winter	2	2	2	2	Flounder, Am. Plaice	2	2	2	2
Flounder, Witch	1	1	1	2	Flounder, Sand Dab	2	2	2	2
Flounder, Yellowtail	1	1	2	2	Flounder, Summer	2	2	2	2
Haddock	1	1	1	1	Flounder, Winter	1	1	1	1

Hake, Red	3	3	-	-
Hake, Silver	3	3	-	-
Hake, White	1	1	1	1
Herring, Atlantic	2	2	-	-
Monkfish	1	1	1	1
Pollock	1	1	1	1
Redfish	2	2	2	2
Skate, Barndoor	-	2	-	-
Skate, Little	2	2	-	-
Skate, Smooth	-	3	-	-
Skate, Thorny	-	2	-	-
Skate, Winter	2	2	-	-
Wolffish	2	2	-	-

Flounder, Witch	2	2	2	2
Flounder, Yellowtail	1	1	2	2
Haddock	1	1	1	1
Hake, Red	3	3	-	-
Hake, Silver	3	3	-	-
Hake, White	1	1	1	1
Herring, Atlantic	2	2	-	-
Lobster, American	2	2	-	-
Monkfish	1	1	1	1
Ocean Pout	2	2	-	-
Pollock	1	1	1	1
Redfish	2	2	2	2
Skate, Barndoor	-	2	-	-
Skate, Little	2	2	-	-
Skate, Smooth	-	2	-	-
Skate, Thorny	-	2	-	-
Skate, Winter	2	2	-	-
Squid, Atl. Long-fin	3	3	-	-
Squid, Short-fin	3	3	-	-
Wolffish	2	2	-	-

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**Table 1b.** (Con't) Length frequency and age structure sampling priorities in the otter trawl fishery.

Species	Length Frequencies		Age Structures		Species	Length Frequencies		Age Structures	
	Kept	Discard	Kept	Discard		Kept	Discard	Kept	Discard
<b>Cape Cod (Statistical area 521)</b>					<b>Southern New England offshore (Statistical area 537)</b>				
Bluefish	3	3	3	3	Bluefish	3	3	3	3
Butterfish	3	3	3	3	Bonito	3	3	-	-
Cod, Atlantic	1	1	1	1	Butterfish	3	3	3	3
Cusk	2	2	1	1	Cod, Atlantic	2	2	2	2
Flounder, Sand Dab	2	2	2	2	Dogfish, Spiny	2	2	-	-
Flounder, Summer	1	1	1	1	Flounder, Sand Dab	2	2	2	2
Flounder, Winter	1	1	1	1	Flounder, Summer	1	1	1	1
Flounder, Yellowtail	1	1	1	1	Flounder, Winter	1	1	1	1
Haddock	2	2	1	1	Flounder, Yellowtail	1	1	2	2
Hake, Red	3	3	-	-	Hake, Red	3	3	-	-
Hake, Silver	3	3	-	-	Hake, Silver	2	2	-	-
Hake, White	1	1	1	1	Herring, Atlantic	2	2	-	-
Herring, Atlantic	2	2	-	-	Mackerel, Atlantic	2	2	2	2
Mackerel, Atlantic	3	3	3	3	Monkfish	1	1	1	1
Monkfish	1	1	1	1	Ocean Pout	3	3	-	-
Pollock	1	1	1	1	Scup	1	1	1	1
Redfish	2	2	2	2	Sea Bass, Black	1	1	1	1

Skate, Barndoor	-	2	-	-
Skate, Little	2	2	-	-
Skate, Smooth	2	2	-	-
Skate, Thorny	-	2	-	-
Skate, Winter	2	2	-	-
Squid, Atl. Long-fin	2	2	-	-
Squid, Short-fin	2	2	-	-
Tautog	3	3	-	-
Wolffish	2	2	-	-

Skate, Barndoor	-	2	-	-
Skate, Clearnose	3	3	-	-
Skate, Rosette	3	3	-	-
Skate, Little	2	2	-	-
Skate, Smooth	3	3	-	-
Skate, Thorny	-	2	-	-
Skate, Winter	2	2	-	-
Squid, Atl. Long-fin	1	1	-	-
Squid, Short-fin	2	2	-	-
Tautog	3	3	-	-

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Species	Length Frequencies		Age Structures		Species	Length Frequencies		Age Structures	
	Kept	Discard	Kept	Discard		Kept	Discard	Kept	Discard
<b>Mid-Atlantic offshore</b> (Statistical areas 616, 622, 623, 626, 627, 632, 636)					<b>Mid-Atlantic inshore</b> (Statistical areas 538, 539, 611-615, 621, 625, 631, 635)				
Alewife	3	3	-	-	Alewife	3	3	-	-
Bluefish	3	3	3	3	Bass, Striped	1	1	-	-
Butterfish	3	3	3	3	Bluefish	1	1	1	1
Dogfish, Spiny	2	2	-	-	Croaker, Atlantic	3	3	-	-
Flounder, Sand Dab	2	2	2	2	Dogfish, Spiny	1	1	-	-
Flounder, Summer	1	1	1	1	Drum, Black	3	3	-	-
Hake, Red	3	3	-	-	Drum, Red	3	3	-	-
Hake, Silver	2	2	-	-	Flounder Sand Dab	1	1	1	1
Herring, Atlantic	1	1	-	-	Flounder, Summer	1	1	1	1
Herring, Blueback	3	3	-	-	Flounder, Winter	1	1	1	1
Mackerel, Atlantic	2	2	2	2	Flounder, Yellowtail	1	1	1	1
Monkfish	1	1	1	1	Herring, Atlantic	2	2	-	-
Scallop, Sea	3	3	3	3	Herring, Blueback	2	2	-	-
Scup	1	1	1	1	Lobster, American	2	1	-	-
Sea Bass, Black	1	1	1	1	Mackerel, Atlantic	2	2	2	2
Shad, American	3	3	-	-	Mackerel, Spanish	3	3	-	-
Skate, Barndoor	-	2	-	-	Menhaden, Atlantic	3	3	2	2

Skate, Clearnose	2	2	-	-
Skate, Little	2	2	-	-
Skate, Rosette	2	2	-	-
Skate, Smooth	3	2	-	-
Skate, Thorny	-	2	-	-
Skate, Winter	3	3	-	-
Squid, Atl. Long-fin	1	1	-	-
Squid, Short-fin	2	2	-	-
Weakfish	3	3	-	-

Monkfish	1	1	1	1
Scup	2	2	2	2
Sea Bass, Black	1	1	1	1
Shad, American	3	3	-	-
Skate, Clearnose	2	2	-	-
Skate, Little	2	2	-	-
Spot	3	3	-	-
Tautog	3	3	-	-
Weakfish	1	1	-	-

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